CLAIM AMENDMENTS¶

Please amend the claims as follows:

- 1-76. (Canceled)
- 77. (Currently Amended) A method of acidizing a subterranean formation penetrated by a well bore comprising the steps of:

providing a permeability-modifying aqueous treatment fluid comprising

a relative permeability modifier comprising a hydrophobically modified water-soluble polymer that comprises polar heteroatoms within the polymer backbone, wherein the hydrophobically modified water-soluble polymer is capable of reducing permeability of the subterranean formation to an aqueous-based fluid, or a hydrophilically modified water-soluble polymer that comprises a polymer backbone comprising polar heteroatoms, wherein the hydrophilically modified water-soluble polymer is a reaction product of a hydrophilic polymer and a hydrophilic compound;

providing an acidizing treatment fluid;

injecting the permeability-modifying aqueous treatment fluid into the subterranean formation; and

injecting the acidizing treatment fluid into the subterranean formation.

- 78. (Original) The method of claim 77 wherein the permeability-modifying aqueous treatment fluid further comprises an aqueous-based fluid.
- 79. (Original) The method of claim 77 wherein the relative permeability modifier reduces the permeability of the treated zone of the subterranean formation to aqueous-based fluids, thereby diverting the acidizing treatment fluid to other zones of the subterranean formation.
- 80. (Original) The method of claim 77 wherein the relative permeability modifier has a molecular weight in the range of from about 100,000 to about 10,000,000.
- 81. (Original) The method of claim 77 wherein the polar heteroatoms present within the polymer backbone of the hydrophobically modified water-soluble polymer comprise oxygen, nitrogen, sulfur, or phosphorous.
- 82. (Original) The method of claim 77 wherein the hydrophobically modified water-soluble polymer is present in the permeability-modifying aqueous treatment fluid in an amount

in the range of from about 0.02% to about 10% by weight of the permeability-modifying aqueous treatment fluid.

- 83. (Original) The method of claim 77 wherein the hydrophobically modified water-soluble polymer is a reaction product of a hydrophilic polymer that comprises a polymer backbone comprising polar heteroatoms and a hydrophobic compound.
- 84. (Original) The method of claim 83 wherein the hydrophilic polymer comprises a cellulose, a polyamide, a polyetheramine, a polyhydroxyetheramine, a polysulfone, or a starch.
 - 85. (Original) The method of claim 84 wherein the starch comprises a cationic starch.
- 86. (Original) The method of claim 83 wherein the hydrophobic compound comprises an alkyl halide, a sulfonate, a sulfate, or an organic acid derivative.
- 87. (Original) The method of claim 86 wherein the organic acid derivative comprises an octenyl succinic acid; a dodecenyl succinic acid; or an anhydride, ester, or amide of octenyl succinic acid or dodecenyl succinic acid.
- 88. (Original) The method of claim 83 wherein the hydrophobic compound has an alkyl chain length of from about 4 to about 22 carbons.
 - 89. (Canceled)
 - 90. (Canceled)
- 91. (Currently Amended) The method of claim 89 77 wherein the wherein the polar heteroatoms present within the polymer backbone of the hydrophilically modified water-soluble polymer comprise oxygen, nitrogen, sulfur, or phosphorous.
- 92. (Currently Amended) The method of claim 89 77 wherein the hydrophilic polymer comprises dialkyl amino pendant groups.
- 93. (Currently Amended) The method of claim 89 77 wherein the hydrophilic polymer comprises a dimethyl amino pendant group and at least one monomer comprising dimethylaminoethyl methacrylate or dimethylaminopropyl methacrylamide.
- 94. (Currently Amended) The method of claim 89 77 wherein the hydrophilic polymer comprises a polyvinylamine, a poly(vinylamine/vinyl alcohol), or an alkyl acrylate polymer.
- 95. (Currently Amended) The method of claim 89 77 wherein the hydrophilic polymer comprises polydimethylaminoethyl methacrylate, polydimethylaminopropyl methacrylamide, poly(acrylamide/dimethylaminoethyl methacrylate), poly(acrylic

acid/dimethylaminoethyl methacrylate), poly(methacrylic acid/dimethylaminoethyl methacrylate), poly(2-acrylamido-2-methyl propane sulfonic acid/dimethylaminoethyl methacrylate), poly(acrylamide/dimethylaminopropyl methacrylamide), poly(acrylic acid/dimethylaminopropyl methacrylamide), or poly(methacrylic acid/dimethylaminopropyl methacrylamide).

- 96. (Currently Amended) The method of claim 89 77 wherein the hydrophilic polymer comprises a polymer backbone comprising polar heteroatoms.
- 97. (Original) The method of claim 96 wherein the polar heteroatoms present within the polymer backbone of the hydrophilic polymer comprise oxygen, nitrogen, sulfur, or phosphorous.
- 98. (Original) The method of claim 96 wherein the hydrophilic polymer comprises a cellulose, a chitosan, a polyamide, a polyetheramine, a polyethyleneimine, a polyhydroxyetheramine, a polylysine, a polysulfone, or a starch.
 - 99. (Original) The method of claim 98 wherein the starch comprises a cationic starch.
- 100. (Currently Amended) The method of claim 89 77 wherein the hydrophilic compound comprises a polyether comprising halogen; a sulfonate; a sulfate; or an organic acid derivative.
- 101. (Original) The method of claim 100 wherein the organic acid derivative comprises an octenyl succinic acid; a dodecenyl succinic acid; or an anhydride, ester, or amide of octenyl succinic acid or dodecenyl succinic acid.
- 102. (Original) The method of claim 100 wherein the polyether comprises a polyethylene oxide, a polypropylene oxide, a polybutylene oxide, or a mixture thereof.
- 103. (Original) The method of claim 100 wherein the polyether comprises an epichlorohydrin terminated polyethylene oxide methyl ether.
- 104. (Original) The method of claim 100 wherein the weight ratio of the hydrophilic polymer to the polyether is in the range of from about 1:1 to about 10:1.
- 105. (Currently Amended) The method of claim 89 77 wherein the hydrophilically modified water-soluble polymer comprises a reaction product of polydimethylaminoethyl methacrylate with epichlorohydrin terminated polyethyleneoxide methyl ether; a reaction product of polydimethylaminopropyl methacrylamide with epichlorohydrin terminated

polyethyleneoxide methyl ether; or a reaction product of poly(acrylamide/dimethylaminopropyl methacrylamide) with epichlorohydrin terminated polyethyleneoxide methyl ether.

- 106. (Original) The method of claim 105 wherein the hydrophilically modified water-soluble polymer comprises a reaction product of a polydimethylaminoethyl methacrylate with epichlorohydrin terminated polyethyleneoxide methyl ether having a weight ratio of polydimethylaminoethyl methacrylate to epichlorohydrin terminated polyethyleneoxide methyl ether of 3:1.
- 107. (Original) The method of claim 77 wherein the permeability-modifying aqueous treatment fluid further comprises a gelling agent.
- 108. (Original) The method of claim 107 wherein the permeability-modifying aqueous treatment fluid further comprises proppant.
- 109. (Original) The method of claim 77 wherein the permeability-modifying aqueous treatment fluid is injected into the subterranean formation at a pressure sufficient to create or enhance at least one fracture therein.
- 110. (Original) The method of claim 77 wherein the acidizing treatment fluid is injected into the subterranean formation at a pressure sufficient to create or enhance at least one fracture therein.
- 111. (Original) The method of claim 77 wherein the permeability-modifying aqueous treatment fluid is injected into the subterranean formation prior to the acidizing treatment fluid.
- 112. (Original) The method of claim 77 wherein the permeability-modifying aqueous treatment fluid is injected into the subterranean formation simultaneously with the acidizing treatment fluid.

113-186. (Canceled)